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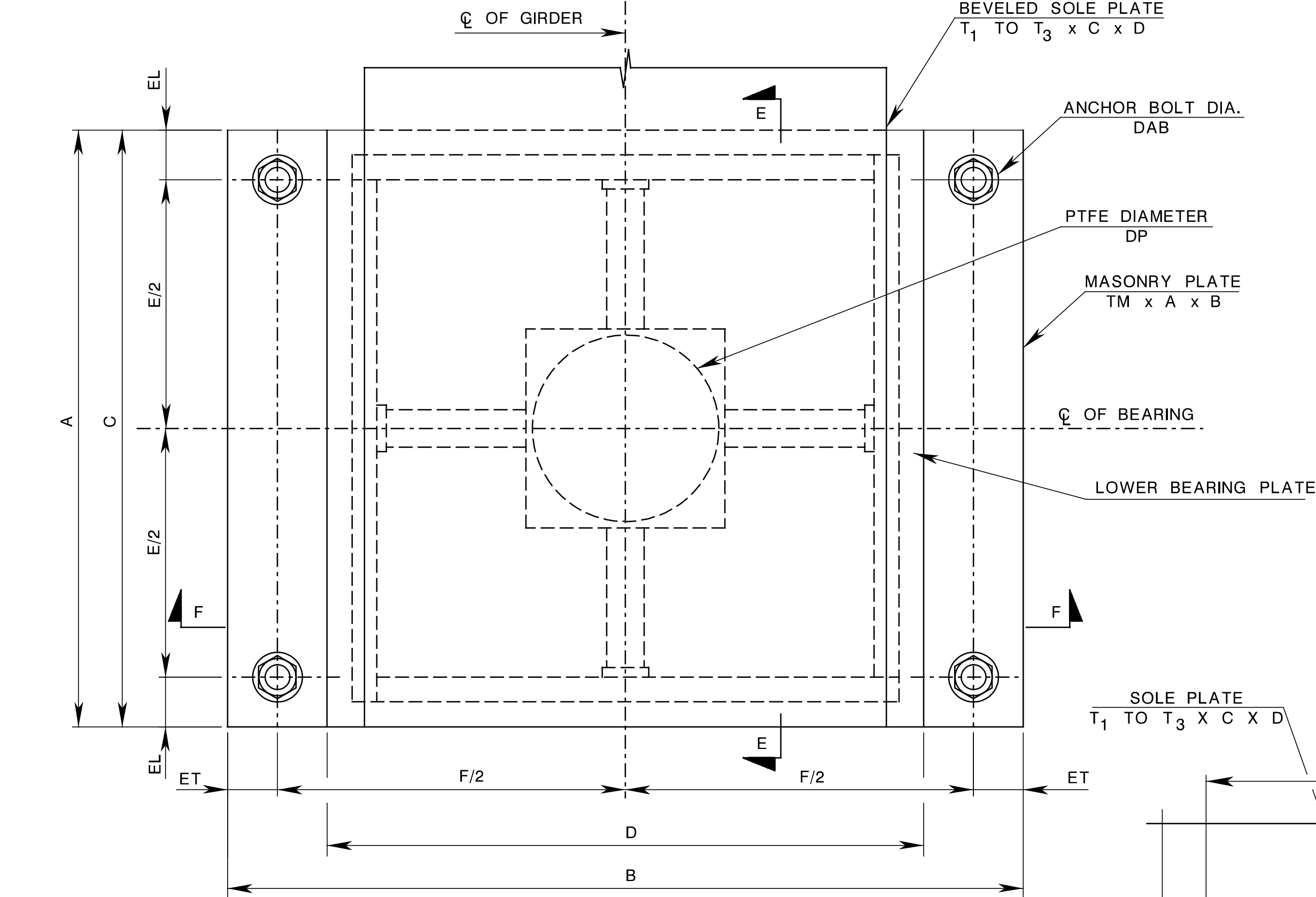
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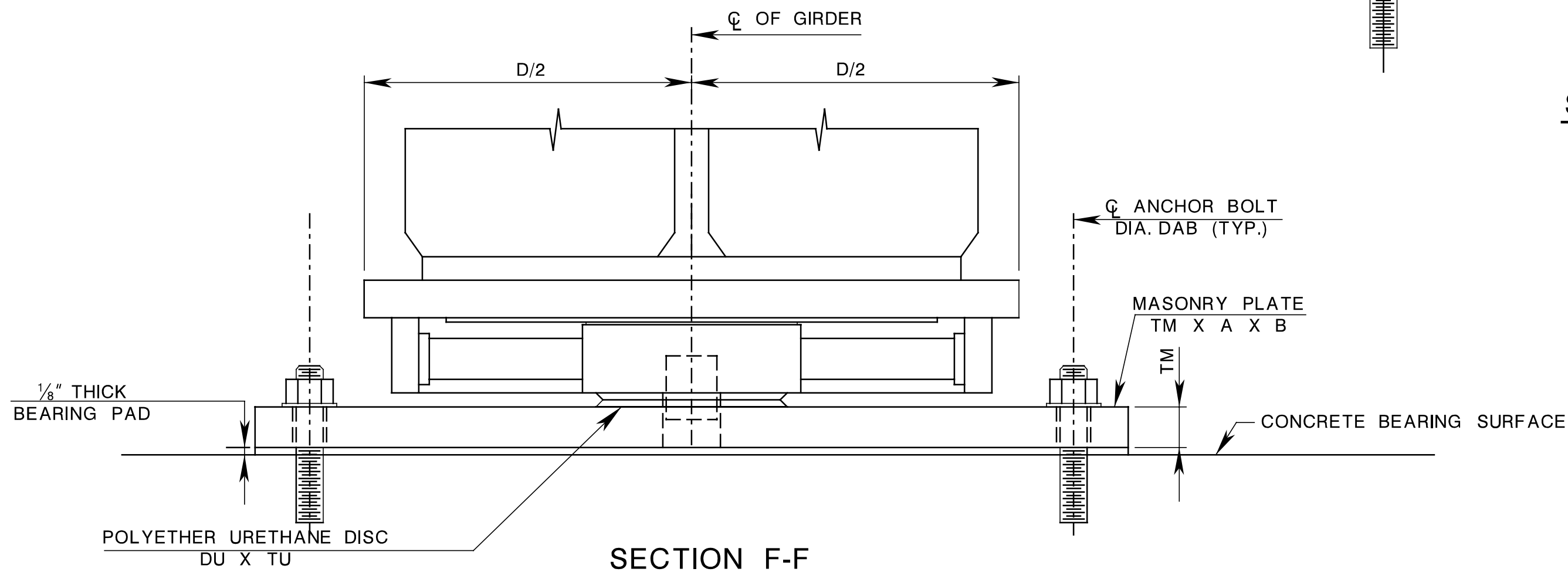
CONTROL SECTION		JOB NO.	
DES. BY		CHK. BY	
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SPECS. BY			
IN CHARGE OF			

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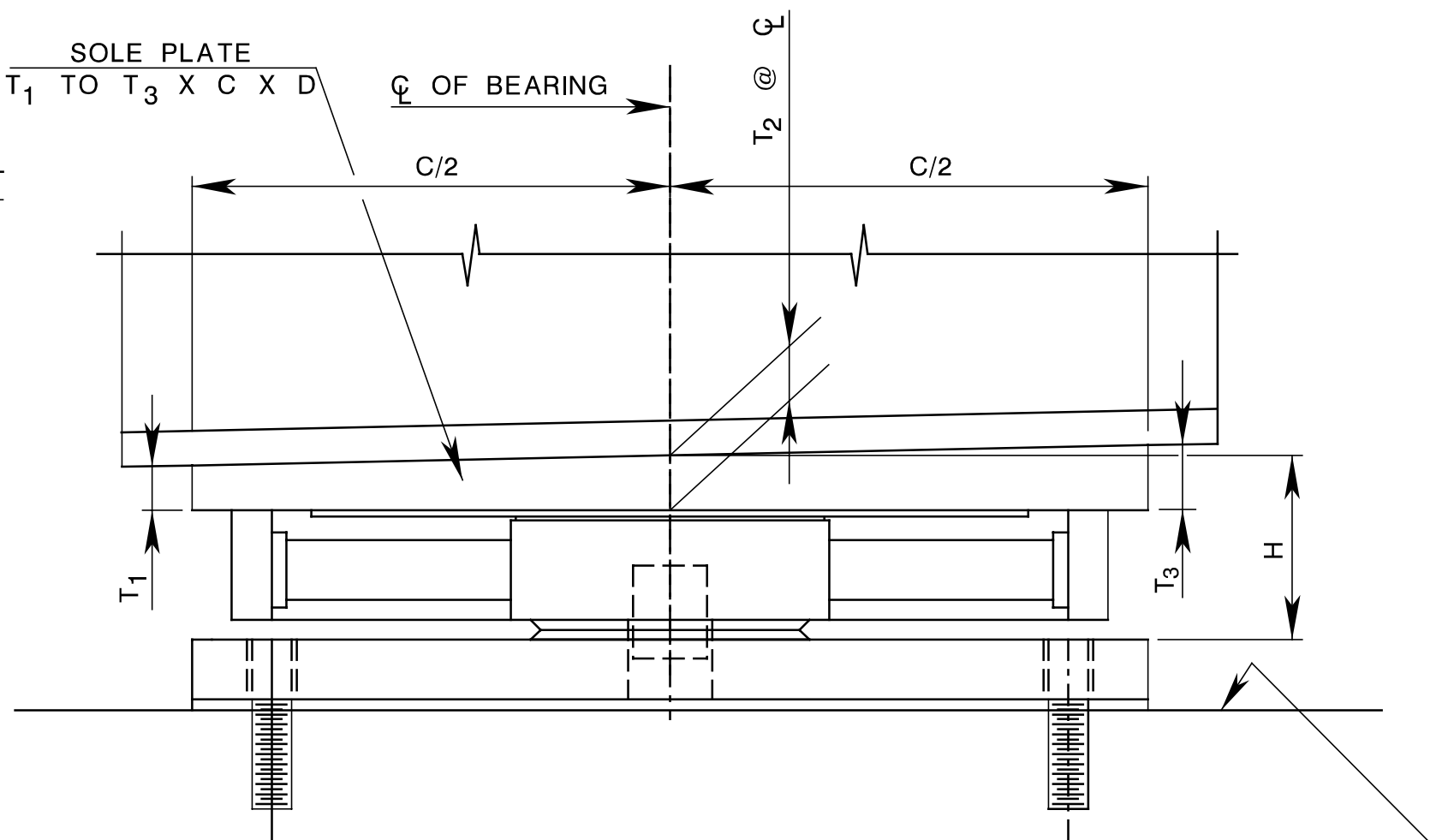


NOTE:  
FOR CLARITY PTFE AND STAINLESS STEEL  
SHEET NOT SHOWN ON PLAN & SIDE VIEWS.

PLAN VIEW - SEISMIC ISOLATION BEARING



SECTION F-F



SECTION E-E

NOTE TO DESIGNER:  
THE BEARING PARAMETERS SHOWN ARE CONCEPTUAL.  
DIMENSIONS SHALL BE BASED ON ACTUAL DESIGN.

SEISMIC ISOLATION BEARING TABLE																	
TYPE	BEARING HEIGHT INCLUDING T <sub>2</sub> H (IN)	PTFE DIAMETER DP (IN)	POLYETHER URETHANE		SOLE PLATE					MASONRY PLATE			ANCHOR BOLTS				
			DIA. DU (IN)	THICK TU (IN)	LENGTH C (IN)	WIDTH D (IN)	THICKNESS			LENGTH A (IN)	WIDTH B (IN)	THICKNESS TM (IN)	NO. OF BOLTS	DIA. DAB (IN)	EDGE ET (IN)	DIST. EL (IN)	MIN. EMBED. DEPTH (IN)
							T <sub>1</sub> (IN)	T <sub>2</sub> (IN)	T <sub>3</sub> (IN)								

STATE	FEDERAL PROJECT NO.	SHEET	TOTAL SHEETS
N. J.			
STRUCTURE NO.			
STRUCTURE NAME			

NOTE TO DESIGNER:

THIS SHEET IS NOT TO BE PLACED INTO THE CONTRACT SET  
OF PLANS AS IS. HOWEVER, INDIVIDUAL DETAILS MAY BE  
UTILIZED FOR SHOP DRAWING REVIEW.

GENERAL NOTES:

- SEISMIC ISOLATION BEARINGS SHALL BE DESIGNED IN CONFORMANCE WITH THE AASHTO GUIDE SPECIFICATIONS FOR SEISMIC ISOLATION DESIGN, AND THE CURRENT NJDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION WITH CURRENT SUPPLEMENTAL SPECIFICATIONS, AS MODIFIED BY THE SPECIAL PROVISIONS.
- ALL STEEL PLATES SHALL CONFORM TO AASHTO M270 GR. 50 EXCEPT AS NOTED.
- ALL STEEL PLATES SHALL CONFORM TO THE FLATNESS REQUIREMENTS OF THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES DIV. II, SEC. 18.
- ANCHOR BOLTS SHALL CONFORM TO ASTM A449, THE HEX NUTS SHALL CONFORM TO ASTM A563, AND THE FLAT WASHERS SHALL CONFORM TO ASTM F436. THE BOLTS, NUTS AND WASHERS SHALL BE HOT-DIP GALVANIZED PER ASTM A153 (AASHTO M232). FOR DETAILS OF ANCHOR BOLTS SEE STANDARD PLATES 2.5-1 AND 2.5-2.
- ANCHOR BOLT PLATE WASHERS SHALL CONFORM TO AASHTO M270 GR. 36 OR 50, AND SHALL BE GALVANIZED PER ASTM A123.
- THE POLYETHER ELEMENT SHALL BE IN ACCORDANCE WITH THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES DIV. II, SEC. 18.
- PTFE IS TO BE VIRGIN, AND ETCHED ON ONE SIDE FOR BONDING INTO MACHINED RECESS THE MAXIMUM COEFFICIENT OF FRICTION SHALL NOT EXCEED THE DESIGN VALUE.
- THE STAINLESS STEEL SHEET SHALL CONFORM TO ASTM A240, TYPE 316, SHALL BE 12 GAUGE AND SHALL RECEIVE A NO. 8 BRIGHT MIRROR FINISH AS PER SPECIFICATION.
- ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH ANSI/AASHTO/ AWS D1.5 BRIDGE WELDING CODE.
- ORIENTATION, MODEL, LOCATION AND DATE OF FABRICATION IS TO BE MARKED ON EACH INDIVIDUAL BEARING AND ALSO ON THE SHOP DRAWINGS.
- PTFE AND STAINLESS STEEL SURFACES SHALL BE PROTECTED FROM DAMAGE AS WELL AS AIRBORN DEBRIS AND CONTAMINANTS AT ALL TIMES PRIOR TO FINAL ASSEMBLY. THESE SURFACES SHALL BE INSPECTED FOR SUCH DAMAGE AND DEBRIS BEFORE FINAL ASSEMBLY.
- COMPLETED BEARINGS SHALL BE INDIVIDUALLY STEEL BANDED FOR SHIPPING AND HANDLING.
- BEARINGS SHALL BE STORED IN A CLEAN, DRY, LEVEL, UPRIGHT POSITION.
- TESTING SHALL BE CONDUCTED AS PER THE REQUIREMENTS OF THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES DIV. II, SEC. 18.
- AT NO TIME, MAY ANY BEARING BE DISASSEMBLED WITHOUT AUTHORIZATION FROM THE BEARING MANUFACTURER.
- ALL MILL SCALE TO BE REMOVED FROM BEARING PLATES VIA SANDBLASTING (SSPC-SP6)
- CONTRACTOR IS TO ADJUST BEARING SEAT ELEVATIONS TO ACCOMMODATE FINISHED BEARING HEIGHT.
- THE FURNISHING OF SEISMIC ISOLATION BEARINGS SHALL CONFORM TO THE PROVISIONS OF SUBSECTION 503.08 OF THE STANDARD SPECIFICATIONS.
- THE DESIGNER SHALL REFERENCE THE CRITERIA OF SUBSECTION 1.24.20 OF THE BRIDGES AND STRUCTURES DESIGN MANUAL FOR SUBMISSION OF FINAL PLANS.

BDC04MB-01

STANDARD DRAWING PLATE 2.5-3	
NEW JERSEY DEPARTMENT OF TRANSPORTATION BUREAU OF STRUCTURAL ENGINEERING	
SEISMIC ISOLATION BEARING	
ROUTE :	SECTION :
MUNICIPALITY	COUNTY
SCALE : NONE	
BRIDGE SHEET NO. OF	